

INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

Docket: 6395-56738

App: 09/673,599

Applicant: Howie et al.

Filed: April 22, 1999

Art Unit:

U.S. PATENT DOCUMENTS

Init.*		Number	Date	Name	Class	Sub.	Filed
XS		4,426,642	1/17/84	Poffenbarger	340	690	Oct. 7, 1984
XS		4,913,499	4/3/90	Smart	299	12	Nov. 16, 1988
XS		5,668,325	9/16/97	Hart et al.	73	81	Mar. 27, 1996
XS		4,156,236	5/22/79	Conkle			
XS		3,594,773	7/20/71	Conkle et al.			
XS		1,737,514	11/26/29	Nikolish			
XS		3,341,843	9/12/67	Walsh			
XS		3,672,174	6/27/72	Von Hippel			
XS		2,692,924	10/26/54	Williams et al.			
XS		4,581,712	4/8/86	Perry et al.			
XS		4,134,270	1/16/79	Small et al.			
XS		5,542,788	8/6/96	Stankus et al.			
XS		4,318,302	3/9/82	Choi			
XS		5,185,595	2/9/93	Friesen			
XS		4,703,711	11/3/87	Haynes			
XS		3,137,268	6/16/64	Hornwood			

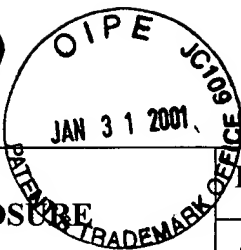
EXAMINER:

W. J. L.

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Init.*		Number	Date	Name	Class	Sub	Filed
XS		4,217,849	8/19/80	Brown et al.			
XS		3,844,248	10/29/74	Parker			
XS		3,161,174	12/15/64	Harrison			
XS		5,576,494	11/19/96	Osterberg			
XS		4,070,906	1/31/78	Rupert et al.			
XS		4,136,556	1/30/79	Graham			
XS		5,086,651	2/11/92	Westermo et al.			
XS		4,097,854	6/27/78	Black et al.			
XS		3,949,353	4/6/76	Waters et al.			

FOREIGN PATENT DOCUMENTS

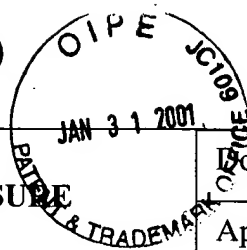
		Number	Date	Country	Class	Sub	Translation
XS		716,766	12/28/31	France			No

EXAMINER:

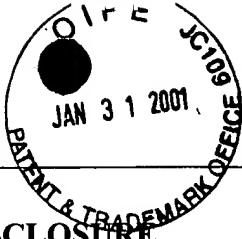
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Pocket: 6395-56738	App: 09/673,599
			Applicant: Howie et al.	
			Filed: April 22, 1999	Art Unit:
OTHER DOCUMENTS				
XS			Feng et al., "Neural Network Model for Real-Time Roof Pressure Prediction in Coal Mines," <i>Geomechanics Abstracts</i> , Vol. 33, No. 6, pp. 647-653 (abstract only, 1 page), 1996.	
XS			Jiang et al., "Application of Fuzzy Set Theory in the Evaluation of Roof Categories in Longwall Mining," <i>Mining Engineering</i> , Vol. 49, No. 3, pp. 53-57 (abstract only, 1 page), 1997.	
XS			Park et al., "Analysis of Longwall Shields and Their Interaction with Surrounding Strata in a Deep Coal Mine," <i>Proceedings of the 11th International Conference on Ground Control in Mining</i> , Parkville, Aust., pp. 109-116 (abstract only, 1 page), 1992.	
XS			Saghafi, "A Computer Model for Prediction of Load Density on Roof Support in a Single Pass Longwall Mining," <i>Computer Systems in the Australian Mining Industry</i> , University of Wollongong, New South Wales, pp. 91-98 (citation only, 1 page), September 26-28, 1989.	
XS			Follington et al., "Continuous Monitoring of Mechanized Breaker Line Supports to Investigate Roof and Pillar Behavior," <i>Proceedings of the 11th International Conference on Ground Control in Mining</i> , Parkville, Aust., pp. 345-350 (abstract only, 1 page), 1992.	
XS			Qian et al., "Monitoring Indices for the Support and Surrounding Strata System on a Longwall Face," <i>Proceedings of the 11th International Conference on Ground Control in Mining</i> , Parkville, Aust., (abstract only, 1 page), 1992.	
XS			Zhang et al., "Prediction of Intervals of Main Roof Weighting by an Artificial Neural Network," <i>China Coal Society</i> , Vol. 20, No. 1, pp. 25-28 (abstract only, 1 page), 1995.	
XS			Stankus et al., "A New Concept for Roof Support," <i>Coal Age</i> , Vol. 101, pp. 67-68, Sept. 1996.	
XS			Walker, "Longwall Developments: Manufacturers Meet the Challenge," <i>World Mining Equipment</i> , Vol. 18, Nos. 7-8, pp. 30-32, July-August, 1994.	
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OTHER DOCUMENTS

XS

Barczak et al., "Critical Load Studies of a Shield Support," *Report of Investigations-United States, Bureau of Mines 9141*, 15 pages (abstract only, 1 page), 1987.

XS

"Digitec Announces Availability of Intelligent Strain Gage/Load Cell Monitor with Instant Peak Capture," News Release Issued by Desco Marketing, Marion, OH, July 27, 1988.

XS

Pearse, "Geotechnical Equipment Review," *World Tunneling and Subsurface Excavation*, pp. 325-329, October 1995.

XS

"The Strain Gage-A Reliable Measurement Tool," *Mechanical Engineering*, pp. 43-471 (abstract only, 1 page), May, 1985.

XS

"Making a Show of Control," *Manufacturing Chemist*, pp. 29-30, April 1994.

XS

"Recent Mine Safety R&D Projects of the U.S. Bureau of Mines," *Engineering & Mining Journal*, Vol. 196, No. 11, pp. 26-28, November, 1995.

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